

Delaware State Clearinghouse Committee Agenda

February 24, 2015

<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding State</i>	<i>Other</i>	<i>Positions</i>		
							<i>Federal</i>	<i>State</i>	<i>Other</i>
<u>New Business</u>									
1	2168	Executive, Criminal Justice, Criminal Justice Council	Harold Rogers Prescription Drug Monitoring Program	\$365,358	\$0	\$0	0.20	0.00	0.00
2	2014-12-23-01	Department of Health and Social Services, Public Health, Community Health	Evaluation of Evidence-Based Community Wellness and Prevention Programs	\$15,000	\$0	\$0	0.00	0.00	0.00
3	2161	Department of Natural Resources and Environmental Control, Office of Natural Resources, Parks and Recreation	National Nursing Centers Consortium Environmental Education	\$4,800	\$7,700	\$0	0.00	0.16	0.00
4	2015-02-02-01	Department of Education	Children Services Cost Recovery Project	\$0	\$0	\$0	0.00	1.00	0.00
5	2155	Colonial School District	Farm to School	\$95,600	\$8,900	\$29,500	0.05	0.00	0.00
<u>Continued</u>									
6	2087	Executive, Criminal Justice, Criminal Justice Council	Children's Justice Act	\$89,091	\$0	\$0	0.00	0.00	0.00
7	2178	Department of State, Historical and Cultural Affairs, Office of the Director	Historic Preservation Grant-In-Aid	\$528,259	\$425,387	\$0	5.40	5.10	0.00
8	2118	Department of Health and Social Services, Public Health, Community Health	Title X Family Planning Services	\$1,124,000	\$690,022	\$0	4.00	7.00	0.00
9	2146	Department of Health and Social Services, Public Health, Community Health	Ryan White Care Act Title II	\$5,385,265	\$0	\$0	4.05	0.00	0.00
10	2157	Department of Health and Social Services, Public Health, Community Health	Medical Monitoring Project	\$362,278	\$0	\$0	1.27	0.00	0.00
11	2158	Department of Health and Social Services, Public Health, Community Health	Universal Newborn Hearing Screening, Reducing Loss to Follow-up after Failure to Pass Newborn Hearing Screening	\$250,000	\$0	\$0	1.00	0.00	0.00
12	2159	Department of Health and Social Services, Public Health, Community Health	Tobacco Control and Prevention	\$1,026,576	\$0	\$0	5.00	0.00	0.00
13	2162	Department of Health and Social Services, Public Health, Community Health	Primary Care Services Resource Coordination and Development	\$155,998	\$0	\$0	1.50	0.00	0.00
14	2163	Department of Health and Social Services, Public Health, Community Health	Behavioral Risk Factor Surveillance System	\$338,446	\$0	\$0	0.00	0.00	0.00
15	2014-12-18-01	Department of Health and Social Services, Public Health, Community Health	Delaware Oral Health Implementation Renewal Phase	\$0	\$60,975	\$150,000	0.50	0.26	0.00
16	1746 Amendment	Department of Health and Social Services, Social Services	Child Care Development Fund -Mandatory	\$2,589,668	\$2,589,668	\$0	0.00	0.00	0.00
17	1747 Amendment	Department of Health and Social Services, Social Services	Child Care Development Fund - Matching	\$2,335,130	\$2,335,130	\$0	0.00	0.00	0.00

18	1834 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Parks and Recreation	Brandywine Creek State Park - Woodlawn Tract	\$27,500	\$0	\$0	0.13	0.00	0.00
19	2010-07-14-05 Amendment 5	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Improving Delaware's Regulatory and Accountability Programs for Chesapeake Bay Reporting	\$1,640,930	\$922,488	\$722,007	0.50	4.18	0.00
20	2012-02-29-04 Amendment 3	Department of Natural Resources and Environmental Control, Office of the Secretary, Energy and Climate	Clean Cities Coalition Programmatic Support	\$30,000	\$0	\$0	0.00	0.00	0.00
21	2154	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Pre-Disaster Mitigation	\$325,388	\$976	\$108,463	0.00	0.00	0.00
22	2156	Department of Agriculture, Animal Health	Animal Disease Traceability	\$12,000	\$0	\$0	0.00	0.00	0.00

Higher Education

1	2015-01-31-03	HE/University of Delaware	Staying to Talk, Talking to Stay: The Relationships between Teachers' and Students' Talk and Retention	\$0	\$0	\$21,738			
2	2015-01-31-04	HE/University of Delaware	NeTS: Small	\$340,406	\$0	\$0			
3	2015-01-31-05	HE/University of Delaware	Mitochondrial Oxidative Stress and Vascular Function in Chronic Kidney Disease	\$0	\$0	\$91,000			
4	2015-01-31-06	HE/University of Delaware	CIF: Small: Next Generation Synthetic Aperture Radar Imaging	\$296,341	\$0	\$0			
5	2015-01-31-07	HE/University of Delaware	Annie E. Casey Kids Count 2015 Barlow	\$0	\$0	\$95,238			
6	2015-01-31-08	HE/University of Delaware	Photonically Actuated Coupled Antenna Array (PACAA) Program, Year 2	\$0	\$0	\$37,577			
7	2015-01-31-09	HE/University of Delaware	Characterization And Mitigation Of Ag Contact Degradation For Improved Reliability Of c-Si Modules	\$615,384	\$0	\$0			
8	2015-01-31-10	HE/University of Delaware	Activity Promotion After Total Knee Replacement: The Act Study	\$0	\$0	\$200,000			
9	2015-01-31-11	HE/University of Delaware	SNM: Integrated Design, Production, and Real-Time Control of Nanocomposite Coatings on Multilayered Polymer Substrates: Continuous Processing and Scalability	\$1,122,766	\$0	\$0			
10	2015-01-31-12	HE/University of Delaware	PSI/UES/AFRL Year 2.2 Prather	\$0	\$0	\$85,129			
11	2015-01-31-13	HE/University of Delaware	CIF: Small: High throughput hybrid analog-digital schemes for joint source-channel coding of digital sources	\$248,831	\$0	\$0			
12	2015-01-31-14	HE/University of Delaware	Can Clinical Measures Predict Real-World Walking Performance in Adults with Transfemoral and Transtibial Amputations?	\$0	\$0	\$22,818			
13	2015-01-31-15	HE/University of Delaware	Three-Week English For Graduate Studies Programs For Fulbright	\$0	\$0	\$129,978			
14	2015-01-31-16	HE/University of Delaware	Six-Week English For Graduate Studies Programs For Fulbright Scholars	\$0	\$0	\$225,127			
15	2015-01-31-17	HE/University of Delaware	Rapid Scanning Techniques For Identification Of PV Module Failures In The Field	\$615,384	\$0	\$0			
16	2015-01-31-18	HE/University of Delaware	AF:Small:Collaborative Research: Block Black Box Linear Algebra Algorithms	\$226,138	\$0	\$0			

17	2015-01-31-19	HE/University of Delaware	Investigation of the molecular mechanisms underlying Aniridia Fibrosis Syndrome (AFS)	\$0	\$0	\$50,000
18	2015-01-31-20	HE/University of Delaware	Signaling in Shear-Induced Biogenesis of Platelets and Megakaryocytic Microparticles	\$0	\$0	\$140,000
19	2015-01-31-21	HE/University of Delaware	Determining Fundamental Mechanisms For Temporal Changes In CIGS Module Performance Driven By Multiple Stressors	\$641,025	\$0	\$0
20	2015-01-31-22	HE/University of Delaware	Towards development of simulation-based tools for predicting liquid-liquid immiscibility in salt-bearing geological fluids	\$79,086	\$0	\$0
21	2015-01-31-23	HE/University of Delaware	TWC: Small: Collaborative: Revitalizing Malware Defense through Hardware-assisted Approaches	\$155,493	\$0	\$0
22	2015-01-31-24	HE/University of Delaware	A novel smooth muscle phenotype in the developing embryonic airways	\$0	\$0	\$5,000
23	2015-01-31-25	HE/University of Delaware	SHF:Small: Enabling and Supporting the Development of Energy-efficient Software	\$353,694	\$0	\$0
24	2015-01-31-26	HE/University of Delaware	SHF:Small:Unspeculative Compilation for Irregular and Dynamic Programs	\$242,962	\$0	\$0
25	2015-01-31-27	HE/University of Delaware	NSF Computer and Network Systems CSR:Small:A Smart Execution Model for Smart Devices: Heterogeneity, Adaptivity, and Resiliency	\$331,365	\$0	\$0
26	2015-01-31-28	HE/University of Delaware	TWC: Small: Exploiting User Behaviors for Online Authentication	\$341,546	\$0	\$0
27	2015-01-31-29	HE/University of Delaware	CSR: Small: Open Problems in Memory Models for Extreme Scale Systems: Analysis and Solutions	\$284,767	\$0	\$0
28	2015-01-31-30	HE/University of Delaware	SHF:Small:Collaborative Research: Multi-level Non-volatile FPGA Synthesis to Empower Efficient Self-adaptive System Implementations and Towards Reliable and High-speed Non-Volatile FPGA for Self-Adaptive Applications	\$169,976	\$0	\$0
29	2015-01-31-31	HE/University of Delaware	Molecular signatures in subseafloor sediments: how can an interterrestrial get energy and tolerate pressure?	\$0	\$0	\$64,102
30	2015-01-31-32	HE/University of Delaware	Handgrip exercise responses during hyperosmotic stimulus	\$0	\$0	\$5,000
31	2015-01-31-33	HE/University of Delaware	The Effect of Exercise on Sodium induced Endothelial Dysfunction Independent of Blo	\$0	\$0	\$5,000
32	2015-01-31-34	HE/University of Delaware	Impact of manganese oxides on organic carbon reactivity in wetlands	\$370,533	\$0	\$0
33	2015-01-31-35	HE/University of Delaware	Novel Mechanisms Linking Troubled Marriages To Cardiovascular Problems: Marital Distress, Appetite And Food Consumption	\$0	\$0	\$209,199
34	2015-01-31-36	HE/University of Delaware	SNM: Scalable and green bio manufacturing of genetically engineered nano-vesicles for biosensor applications	\$0	\$0	\$267,138
35	2015-01-31-37	HE/University of Delaware	MRI: Development of a time- and angle-resolved pump-probe photoelectron spectrometer in the UV to EUV energy range	\$618,681	\$0	\$0
36	2015-01-31-38	HE/University of Delaware	Using the Chesapeake Bay Watershed to Develop a Curriculum-Wide, Integrated Science/Social Studies-Based Watershed Experience for Delaware's Classrooms	\$241,690	\$0	\$0
37	2015-01-31-39	HE/University of Delaware	NEH National Digital Newspaper Program	\$85,250	\$0	\$0
38	2015-01-31-40	HE/University of Delaware	Ultracool Dwarfs: Clouds, Flares, and Exoplanets	\$19,231	\$0	\$0

39	2015-01-31-41	HE/University of Delaware	Electrophoretic Deposition of Nanostructures for Functional Applications	\$0	\$0	\$22,439
40	2015-01-31-42	HE/University of Delaware	The effect of dietary nitrates on physical performance and vascular function in CKD	\$0	\$0	\$5,000
41	2015-01-31-43	HE/University of Delaware	Changes in Splenic Perfusion and Morphology in Aging F344 Rats Over the Lifespan	\$0	\$0	\$4,960
42	2015-01-31-44	HE/University of Delaware	An Evaluation of Lactobacillus buchneri 40788 and Experimental Microbial Strains For Improving the Aerobic Stability of Corn Silage	\$0	\$0	\$20,500
43	2015-01-31-45	HE/University of Delaware	Mechanisms of tau structural changes and aggregation upon tau hyperphosphorylation	\$500,000	\$0	\$0
44	2015-01-31-46	HE/University of Delaware	Enhancing root and soil health for sustainable yields of Tomato production	\$141,961	\$0	\$0
45	2015-01-31-47	HE/University of Delaware	Collaborative Research: Biological Cycling of Chlorine in Soils of the Arctic Coastal Plain	\$57,879	\$0	\$0
46	2015-01-31-48	HE/University of Delaware	MRI: Acquisition of a Field Emission Environmental Scanning Electron Microscope (FE-ESEM)	\$499,995	\$0	\$0
47	2015-01-31-49	HE/University of Delaware	MRI: Development of a system for low temperature optical measurement of 3D magnon, plasmon and spin torque transfer dynamics.	\$519,165	\$0	\$0
48	2015-01-31-50	HE/University of Delaware	Comprehensive Study of I/O Performance at the Extreme Scale	\$197,715	\$0	\$0
49	2015-01-31-51	HE/University of Delaware	SHF:SMALL: Assisting Developers in the Creation and Maintenance of Unit Tests	\$362,474	\$0	\$0
50	2015-01-31-52	HE/University of Delaware	2015 American Councils DOS ECA National Security Language Initiative for Youth-Short Term Summer Programs in China	\$0	\$0	\$250,218
51	2015-01-31-53	HE/University of Delaware	Offshore Wind Policy Benefits and Costs	\$0	\$0	\$124,958
52	2015-01-31-54	HE/University of Delaware	Airflow separations over wind waves and their impact on air-sea momentum flux	\$261,714	\$0	\$0
53	2015-01-31-55	HE/University of Delaware	Wilmington Flower Market	\$0	\$0	\$10,000
54	2015-01-31-56	HE/University of Delaware	Ship Support	\$1,340,640	\$0	\$0
55	2015-01-31-57	HE/University of Delaware	Chi Chester duPont Foundation to provide financial aid	\$0	\$0	\$30,000
56	2015-01-31-58	HE/University of Delaware	Novel Mechanisms Linking Troubled Marriages to Cardiovascular Problems: Marital Distress, Appetite, and Food Consumption	\$0	\$0	\$277,012
57	2015-01-31-59	HE/University of Delaware	Collaborative Research: Reproducible Truncated Genomics Approach: Application to Liquid Composite Molding	\$296,389	\$0	\$0
58	2015-01-31-60	HE/University of Delaware	Breastfeeding Nutrition: Effects of Alcohol and Family History	\$0	\$0	\$591,033
59	2015-01-31-61	HE/University of Delaware	Emergency Response and Foam Depopulation Training and Testing for 3-D contractors	\$52,977	\$0	\$0
60	2015-01-31-62	HE/University of Delaware	High efficiency hybrid module using microconcentrating III-V array with low cost Si IBC diffuse light collector	\$3,333,198	\$0	\$0
61	2015-01-31-63	HE/University of Delaware	Effects of whole grape on cardiovascular disease risk factors, cognitive function, and emotional status in postmenopausal women	\$0	\$0	\$30,000

62	2015-01-31-64	HE/University of Delaware	Eliminating Triple-Negative Breast Cancer with Wnt Inhibitory Nanoparticles	\$0	\$0	\$249,999
63	2015-01-31-65	HE/University of Delaware	Optoelectronic Device Integration in Silicon	\$0	\$0	\$208,188
64	2015-01-31-66	HE/University of Delaware	Daily strawberry supplementation improved cardiovascular disease risk factors and cognitive function in older adults with mild cognitive impairment.	\$0	\$0	\$108,278
65	2015-01-31-67	HE/University of Delaware	Reducing Health Disparities in SMI, Rural and Minority Populations	\$0	\$0	\$696,928
66	2015-01-31-68	HE/University of Delaware	Multifunctional Materials and Structures	\$0	\$0	\$14,103
67	2015-01-31-69	HE/University of Delaware	Nemours 2015 Delaware Middle School Youth Risk Behavior Study Survey	\$0	\$0	\$44,443
68	2015-01-31-70	HE/University of Delaware	DMREF: Collaborative Research: Interface-promoted Assembly and Disassembly Processes for Rapid Manufacture and Transport of Complex Hybrid anomaterials	\$439,410	\$0	\$0
69	2015-01-31-71	HE/University of Delaware	Fulbright Gateway Orientation For Fulbright Foreign Students	\$51,669	\$0	\$0
70	2015-01-31-72	HE/University of Delaware	Radar Analysis of Bird Migration Stopover Sites on the Delmarva Peninsula and Validation of NEXRAD Data and Models for the Northeastern, US	\$0	\$0	\$22,356
71	2015-01-31-73	HE/University of Delaware	Fine-Grain Resource Management Through Self-Awareness	\$128,204	\$0	\$0
72	2015-01-31-74	HE/University of Delaware	Virtual Memory and Massively Multi-Core Architecture: A Challenge and Opportunity	\$128,204	\$0	\$0
73	2015-01-31-75	HE/University of Delaware	XPS:FULL:DSD:Exploiting parallelism and scalability of a discrete unified gas kinetic scheme towards rigorous simulation of compressible multiphase flows	\$659,704	\$0	\$0
74	2015-01-31-76	HE/University of Delaware	DMREF: Collaborative Research: Nanoporous non-precious metal catalysts for energy applications	\$528,862	\$0	\$0
75	2015-01-31-77	HE/University of Delaware	Chi Chester duPont Foundation to provide financial aid	\$0	\$0	\$30,000
76	2015-01-31-78	HE/University of Delaware	Integrating Cover Crops to Improve Management of Herbicide Resistant Weeds in No-Till Soybean Production Systems	\$0	\$0	\$13,257
77	2015-01-31-79	HE/University of Delaware	Stewardship Assistant Intern	\$0	\$0	\$5,000
78	2015-01-31-80	HE/University of Delaware	DMREF:Collaborative Research:Tailoring Novel III-V-Based Hybrid Materials for Device Applications with New Predictive Design Capabilities	\$803,636	\$0	\$0
79	2015-01-31-81	HE/University of Delaware	Expansion of the fear circuit in the rat brain	\$775,000	\$0	\$0
80	2015-01-31-82	HE/University of Delaware	Materials in Extreme Dynamic Environments (MEDE) Collaborative Research Alliance (CRA)	\$0	\$0	\$723,059
81	2015-01-31-83	HE/University of Delaware	STS: Standard Grant: Out of the Echo Chamber - Bringing Publicness to the Online Public Sphere	\$297,013	\$0	\$0
82	2015-01-31-84	HE/University of Delaware	DMREF: Collaborative Research: Control and prediction of the nanostructures formed by multi-block peptide-polymer hybrids	\$707,640	\$0	\$0
83	2015-01-31-85	HE/University of Delaware	Investigating Native Bee Diversity and Genetic Structure in Mid-Atlantic Woodlands	\$0	\$0	\$4,000
84	2015-01-31-86	HE/University of Delaware	Adverse Neurogenic Actions of Dietary Salt	\$0	\$0	\$340,539

85	2015-01-31-87	HE/University of Delaware	Mixed finite elements and weak Galerkin finite elements	\$0	\$0	\$30,000
86	2015-01-31-88	HE/University of Delaware	Total Knee Replacement Study	\$0	\$0	\$39,494
87	2015-01-31-89	HE/University of Delaware	Modified Live Vaccines of Infectious Laryngotracheitis Virus	\$0	\$0	\$48,264
88	2015-01-31-90	HE/University of Delaware	Thymol nanoparticles to improve broiler gut health and meat quality	\$0	\$0	\$51,700
89	2015-01-31-91	HE/University of Delaware	Accurate and Efficient Modeling of Ionic Interactions: Charge Redistribution, Polarization and Dispersion	\$0	\$0	\$271,999
90	2015-01-31-92	HE/University of Delaware	Office of Education - Student Support Services Program - grant application 2015/20	\$269,911	\$0	\$0
91	2015-01-31-93	HE/University of Delaware	Exploring patterns which vary across scale in ice-covered seas using open-source tools including self-organizing maps	\$90,000	\$0	\$0
92	2015-01-31-94	HE/University of Delaware	Small Business Administration Cooperative Agreement FY14-15	\$7,014	\$0	\$0
93	2015-01-31-95	HE/University of Delaware	Impacts of Irrigation and Wind Turbines on Land-Atmosphere Interactions and Coupled Prediction	\$30,000	\$0	\$0
94	2015-01-31-96	HE/University of Delaware	Promoting Recovery Optimization With Walking Exercise After Stroke	\$3,158,821	\$0	\$0
95	2015-01-31-97	HE/University of Delaware	Problem based learning approaches prompt women's underperformance and attrition in STEM domains	\$1,483,669	\$0	\$0
96	2015-01-31-98	HE/University of Delaware	National Science Foundation Doctoral Dissertation Research: Justice Dissonance And Prisoner Reentry: Service Provider's Discretion And Perceptions Of Law, Justice And Fairness	\$10,174	\$0	\$0
97	2015-01-31-99	HE/University of Delaware	APS Fellowship Akuczmariski 15	\$0	\$0	\$5,600
98	2015-02-01-01	HE/University of Delaware	APS Fellowship Coyle 15	\$0	\$0	\$5,600
99	2015-02-01-02	HE/University of Delaware	Will perform a quantitative data consultation for family center data.	\$0	\$0	\$18,732
100	2015-02-01-03	HE/University of Delaware	Designing Efficient Nanostructured Polymer Electrolytes Using Tapered Block Polymers - Joint Experiment and Theory Effort in Controlled Interface Design	\$264,185	\$0	\$0
101	2015-02-01-04	HE/University of Delaware	Concrete Tie Improvement Study	\$0	\$0	\$233,684
102	2015-02-01-05	HE/University of Delaware	Shelf-Basin Acoustics, Noise, and Oceanography	\$652,513	\$0	\$0
103	2015-02-01-06	HE/University of Delaware	SBIR Phase II: Integration of carbohydrate and gaseous fermentations for maximum C3 and C4 chemical yield	\$61,630	\$0	\$0
104	2015-02-01-07	HE/University of Delaware	REU Supplemental Request	\$12,500	\$0	\$0
105	2015-02-01-08	HE/University of Delaware	Metamaterial Enabled UV Transmission Filters	\$0	\$0	\$33,092
108	2012-04-30-19 Amendment	HE/Delaware State University	Living Marine Resources Cooperative Center (LMRSC)	\$457,647	\$0	\$0
106	2015-02-01-09	HE/Delaware State University	Changing the Equation for Science and Mathematics Learning at an HBCU	\$3,278,618	\$0	\$0

107	2015-02-01-10	HE/Delaware State University	Theoretical Study of Basic Atomic Processes in an Ultracold Rydberg Gas	\$588,196	\$0	\$0
109	2015-02-01-11	HE/Delaware State University	Optimization Light Absorption in Solution Processed Solar Photostatics	\$598,992	\$0	\$0
110	2015-02-01-12	HE/Delaware State University	Efficient Numerical Methods for Radar Target Signature Analysis	\$598,992	\$0	\$0
111	2015-02-01-13	HE/Delaware State University	Cyber Infused Mathematics Initiative	\$399,972	\$0	\$0
112	2015-02-01-14	HE/Delaware State University	DMREF: Collaborative Research: Nanoporous Non-Precious Metal Catalysts for Energy Application	\$239,920	\$0	\$0
113	2015-02-01-15	HE/Delaware State University	Implementing Project: Changing the Equation for Science and Mathematics	\$1,747,921	\$0	\$0
114	2015-02-01-16	HE/Delaware State University	Targeting Infusion Project: Enhancing Undergraduate Education and Research Laboratories in Engineering Physics	\$422,592	\$0	\$0
115	2015-02-01-17	HE/Delaware State University	DMRED: Collaborative Research: Design, Synthesis, and Characterization of Hybrid Nanoporous Funtional Materials	\$531,892	\$0	\$0
116	2015-02-01-18	HE/Delaware State University	Title X	\$0	\$0	\$11,835
117	2015-02-01-19	HE/Delaware State University	Agricultural Marketing Service Technical Assistance (AMSTA) Project: A Farmers Market and Local Food Promotion Program Grant Writing Workshop	\$7,884	\$0	\$0
118	2015-02-01-20	HE/Delaware State University	O*STAR Center- Optics for Space Technology & Applied Research Center	\$6,093,561	\$0	\$0
119	2015-01-31-01	HE/Delaware Technical and Community College	INBRE (Idea Network of Biomedical Research Excellence)	\$118,652	\$0	\$0
120	2015-01-31-02	HE/Delaware Technical and Community College	FY 16 Student Support Services (SSS)	\$279,172	\$0	\$0